

Things to Know, Understand and Do For Chapter 8: Chemical Equations and Reactions

By the end of Chapter 8, you should

Know how to...
Tell when a chemical reaction is taking place.
Write a balanced chemical equation from a word equation.
Balance a chemical equation using coefficients.
Determine which of the major types of reactions (synthesis, decomposition, etc.) is taking place by looking at an equation.
List the various kinds of each synthesis, decomposition, single replacement, and double replacement reactions.
Use a solubility table to determine what the precipitate is in a chemical reaction.

understand...
What the symbols (s), (aq) etc. mean in a chemical equation.
How to count atoms in compounds in order to balance chemical equations.
That coefficients in reactions mean moles of reactants and products.
The difference in types of chemical reactions.

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